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FACSIMILE COVER SHEET

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|-----------------|---|-----------------|-----------------------|
| DATE: | July 25, 2002 | FILE NO: | APPM/2981/CPES/EPS/BG |
| TO: | Examiner R. Bueker | FAX NO: | 703-872-9066 |
| COMPANY: | United States Patent and Trademark Office | | |
| FROM: | William B. Patterson | PAGE(S): | 3 with cover |
| MESSAGE: | Original to Follow <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | |

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

File No.: APPM/2981/CPES/EPS/BG
Serial No.: 09/220,153
Conf. No.: 3858
Filed: December 23, 1998
Examiner: R. Bueker

Attached is a Supplemental Information Disclosure Statement dated July 25, 2002. If you have any questions, please call me at (713) 623-4844.

CONFIDENTIALITY NOTE

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

மாண்புமிகு பேரவைத் தலைவர்:

Serial No.: 09/220,153

Confirmation No.: 3858

Filed: December 23, 1998

**For: Processing Apparatus
Having Integrated Pumping
System**

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

**CERTIFICATE OF FACSIMILE
TRANSMISSION UNDER 37 CFR 1.8**

I hereby certify that this correspondence and the documents referred to as attached therein are being facsimile transmitted to the U.S. Patent and Trademark Office to the fax number indicated by the Examiner, namely, fax number 1-703-872-9066 to the attention of the R. B. Jeker, on the date below.

25 July 02
Date

Wm B. Allen
Signature

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

The attached material describes a pump and its position within a semiconductor processing tool that was sold more than one year prior to the filing date of the present application.

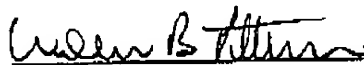
While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

The Applicants do not feel that a fee is necessary at this time, but if the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/2981.P1/E CORE/CORE/MBE/WBP.

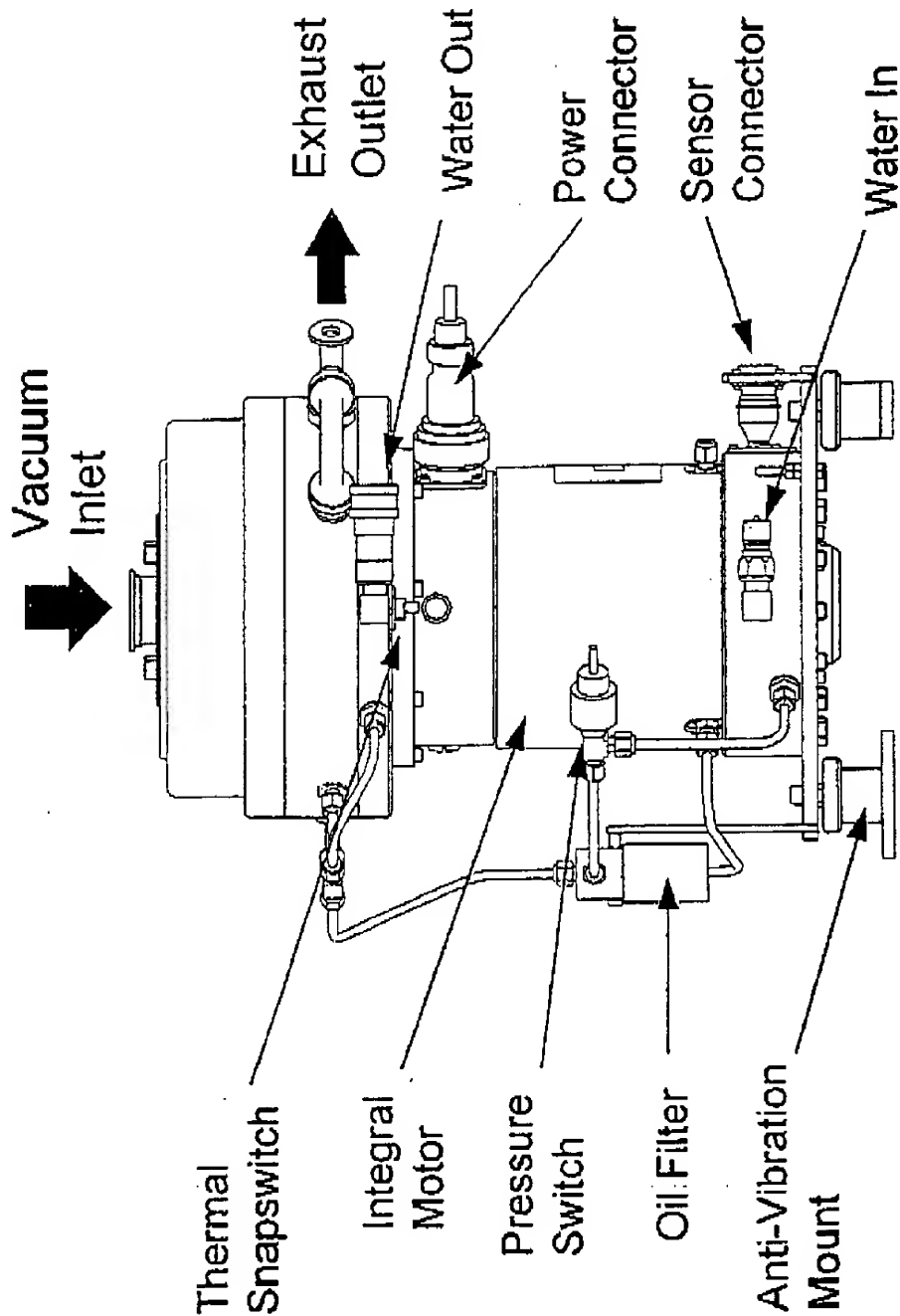
Respectfully submitted,



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Edwards High Vacuum / Applied Materials Confidential

IPX100 Prototype Pump



IPX100 Prototype Pump Performance

- Vacuum Performance
 - Peak Speed 100 m³/hr
 - Ultimate 10⁻² torr
- Mass
 - Pump 53 kg (177 lbs)
 - Controller 40 kg (88 lbs)
- Noise and Vibration
 - Vibration < 0.1g
 - Noise @ 1m < 68 dB(A)
- Water Cooling
 - Flow rate < 3 l/min @ 35 °C max.
- Motor
 - Full load rating 4 kW (Motor Shaft Output)
 - No load power 2 kW (Ultimate running)

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|-----|------------|-----------------------|----------|---|
| A-4 | 203-040-01 | Typical Configuration | APPENDIX | A |
|-----|------------|-----------------------|----------|---|

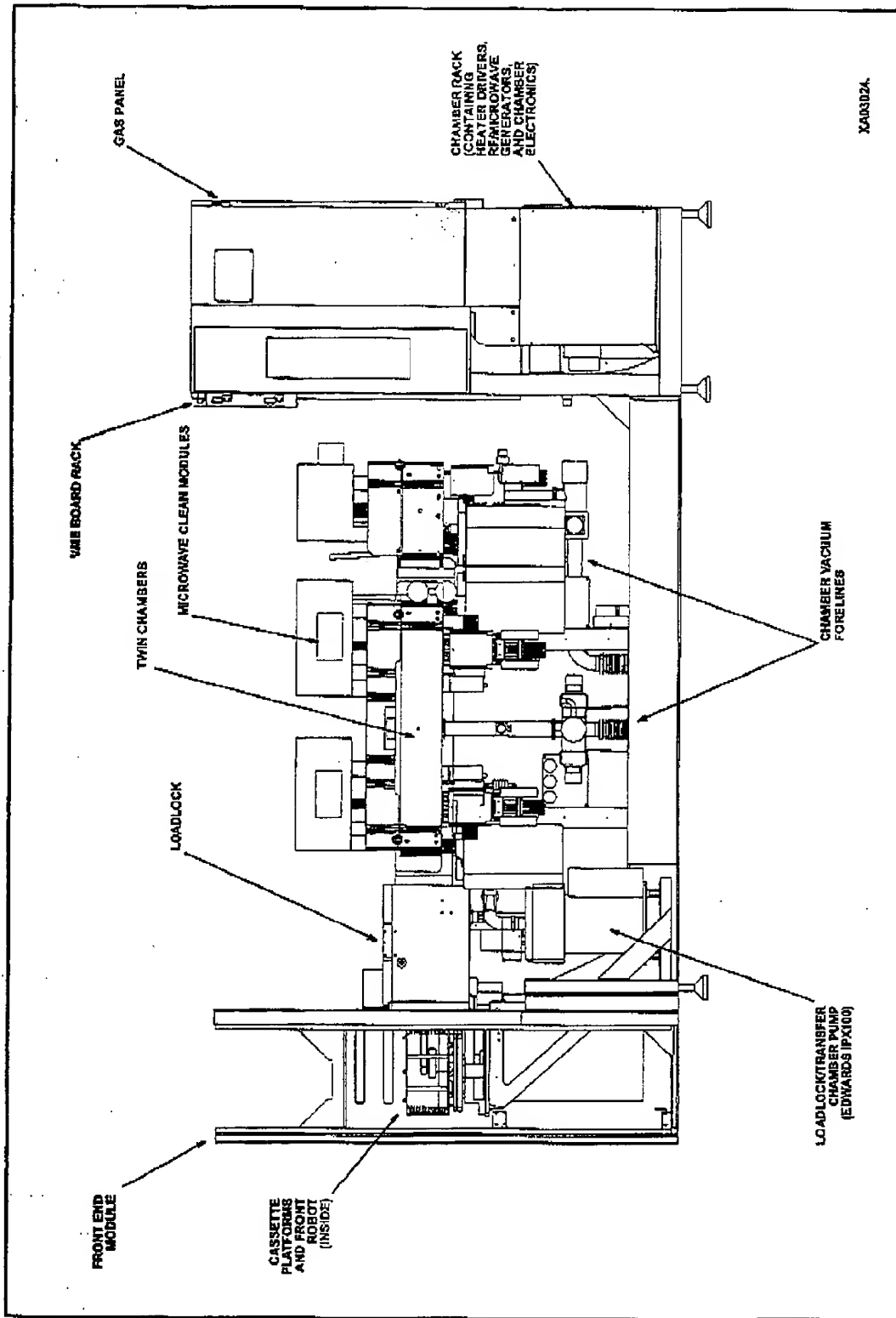


Figure A-3. Producer Mainframe Right Side View

PRELIMINARY

10.1 Vacuum System Overview

